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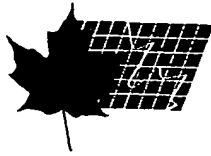
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(19) (CA) **CANADIAN PATENT** (12)

(54) Enclosing Having Cover, and Information Processing  
Aparatus

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(57) 5 Claims

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ENCLOSURE HAVING COVER, AND INFORMATION  
PROCESSING APPARATUS

ABSTRACT

To provide an enclosure having a body and a cover, in which the cover can be opened even if an operation for releasing the state where the cover is latched with the body and an operation for lifting the cover itself are not practiced simultaneously, the present invention provides an engaging member being movable or transformable, in the state where a cover is closed, between an engaging position where the cover is engaged with said body and a releasing position where the cover is not engaged with the body, being forced to move or transform from said releasing position to said engaging position, and being provided to one of the cover and the body, and lock means for preventing said engaging member from moving from said releasing position to said engaging position in spite of said force when said engaging member is moved from said engaging position to said releasing position in the state where the cover is closed, and for allowing said engaging member to move from said releasing position to said engaging position when the cover is opened so that it becomes unnecessary to practice an operation for releasing a latch and an operation for lifting the cover simultaneously when the cover is opened by keeping the engaging member in the releasing position by means of said lock means and thus keeping the state where the latch is released when the engaging member is moved from the engaging position to the releasing position.

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A container comprising:

a body;

a cover to the body hingedly mounted to the body along one side to be opened and closed;

an engaging member provided on at least one of said cover or said body, wherein said engaging member is movable by force between a position for engaging the cover with the body and a position for releasing the cover from the body when the cover is closed; and

lock means for preventing the engaging member from being moved from the position for releasing the cover to the position for engaging the cover after the engaging member is moved from the position for engaging to the position for releasing when the cover is closed, and for allowing the engaging member to move from the position for releasing the cover to the position for engaging the cover when the cover is opened.

2. A container as set forth in claim 1, wherein said lock means includes a hollow having a convex portion, said convex portion allowing for said engaging member to move from said position for engaging to said position for releasing, but preventing said engaging member from moving from said position for releasing to said position for engaging.

3. An information processing apparatus comprising:

a system body;

a cover which is operable to open and close from and to the system body;

an engaging member for engaging the cover with the system body at an engaging position and for releasing the cover from the system body at a releasing position when the cover is closed, the engaging

member being movable between the engaging position and the releasing position, and the engaging member being provided on at least one of said cover and the system body; and

lock means for preventing the engaging member from moving from the releasing position to the engaging position after the engaging member is moved from the engaging position to the releasing position when the cover is closed, and for allowing the engaging member to move from the releasing position to the engaging position when the cover is opened.

4. An information processing apparatus comprising:

a system body;

input means for inputting data, the input means being provided on the system body;

a cover depending from the system body, being movable between an open and a closed position with respect to the system body;

a display on a side of the cover facing said body when said cover is closed;

an engaging member for engaging the cover with the system body at an engaging position and for releasing the cover from the system body at a releasing position when the cover is in the closed position, the engaging member being movable under force from the engaging position to the releasing position and the engaging member being provided on at least one of the cover and the system body; and

lock means for preventing the engaging member from moving from the releasing position to the engaging position after the engaging member is moved from the engaging position to the releasing position when the cover is in the closed position, and for allowing the engaging member to move from the releasing position to the engaging position when the cover is in the opened position.

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5. The information processing apparatus according to claim 4, wherein said cover includes a plurality of side edges and a front edge, and wherein said engaging member is movable along an axis parallel to said side edges of said cover, and said engaging position is located closer to said front edge of said cover along said axis parallel to said side edges than said releasing position.



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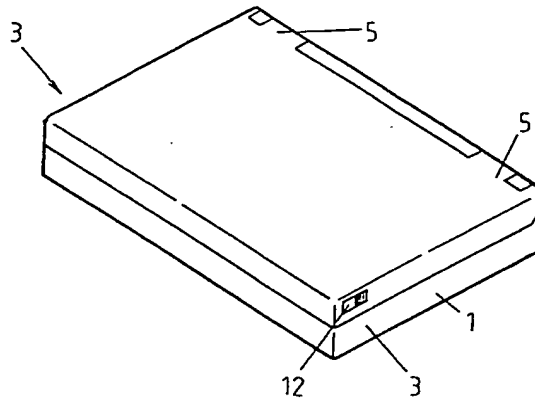


FIG. 1

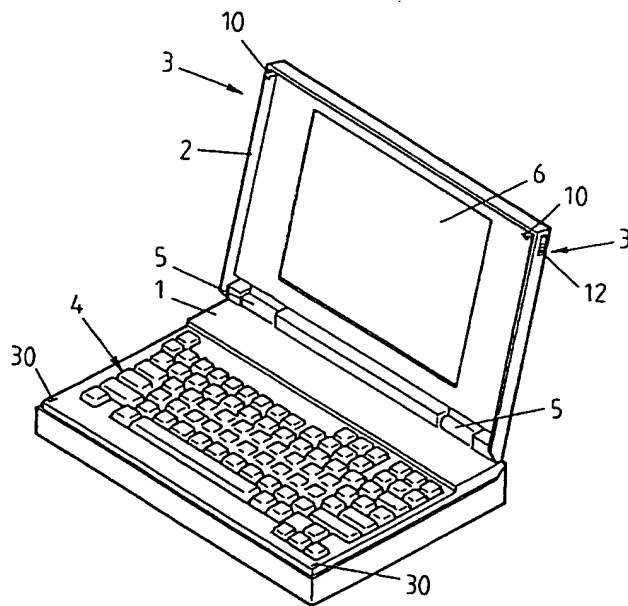


FIG. 2

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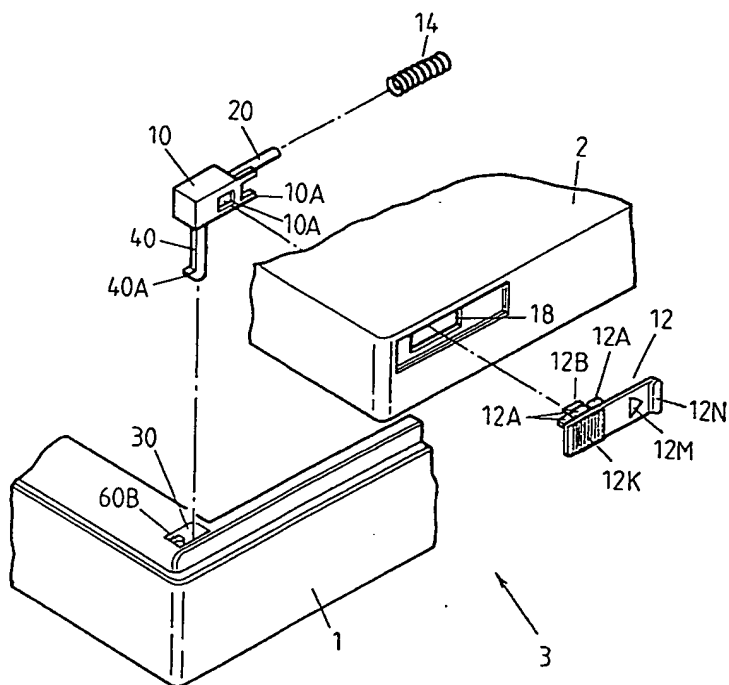


FIG. 3

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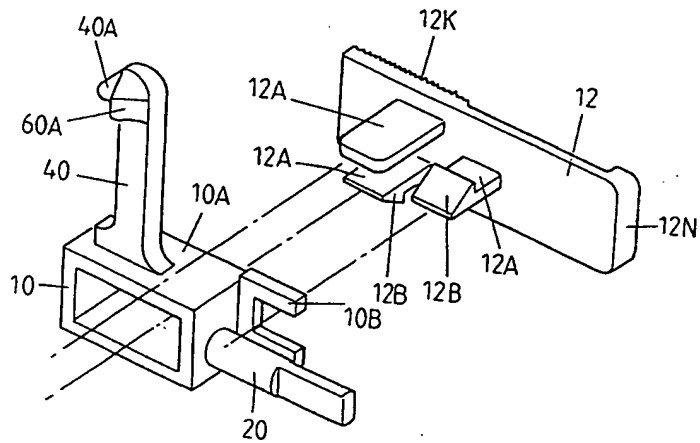


FIG. 4

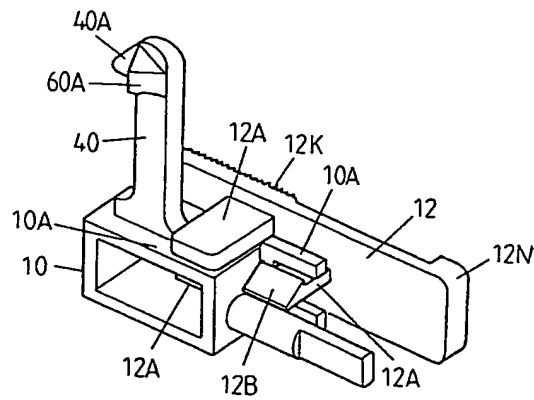


FIG. 5

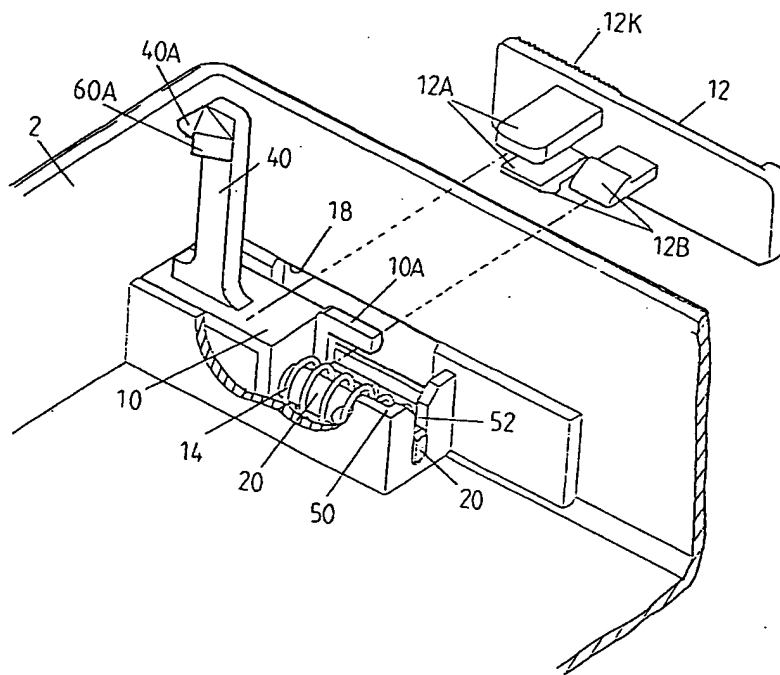
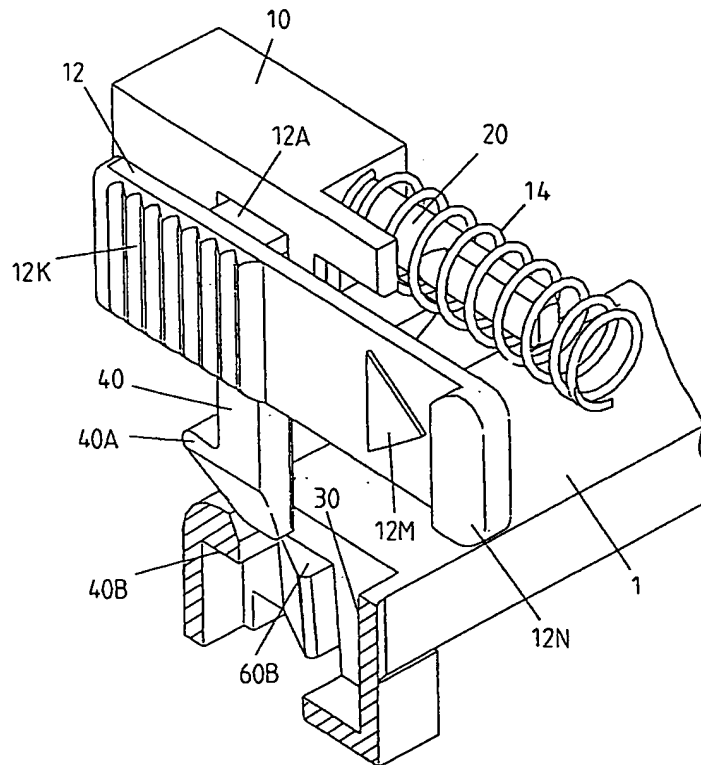


FIG. 6

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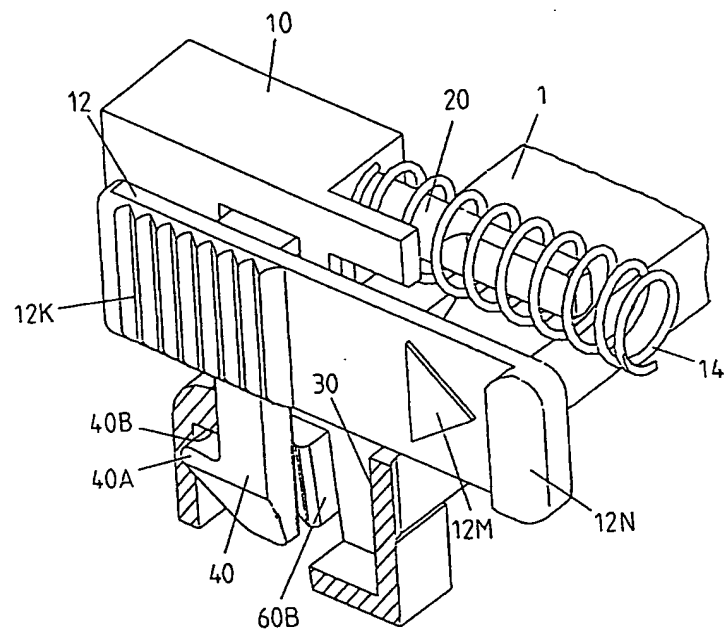


LATCH MECHANISM 3

FIG. 7

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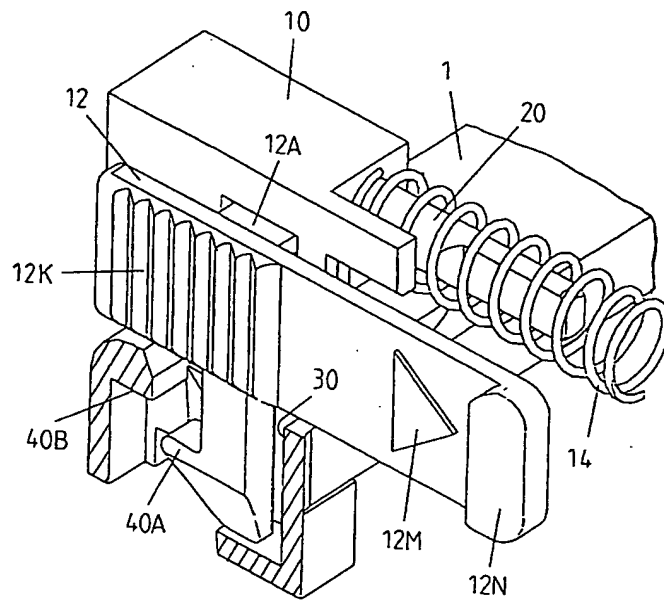


LATCH MECHANISM 3

FIG. 8

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LATCH MECHANISM 3

FIG. 9

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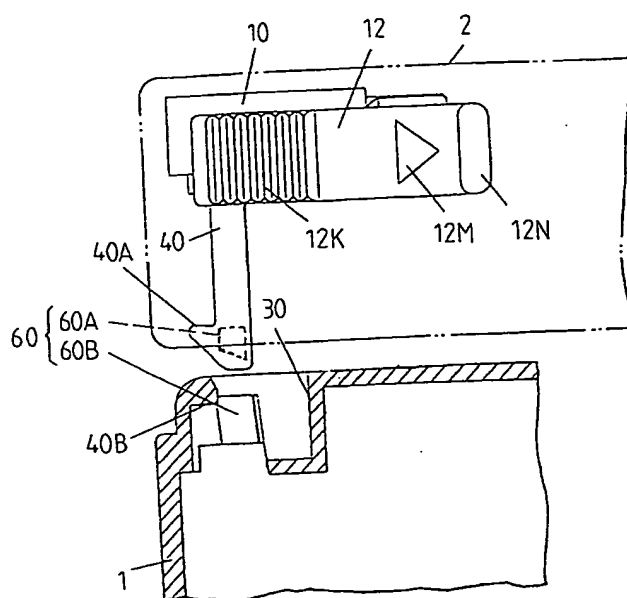


FIG. 10

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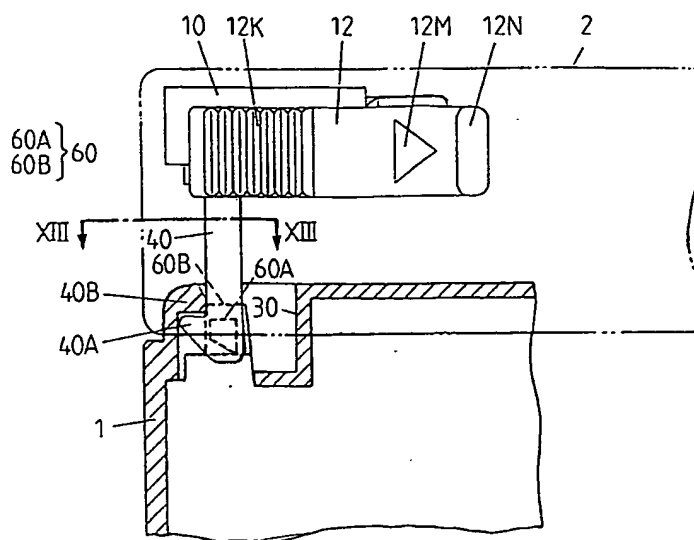


FIG. 11

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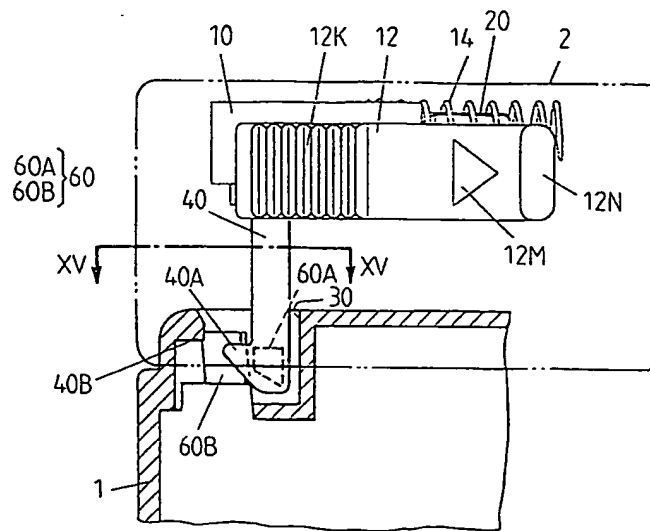


FIG. 12

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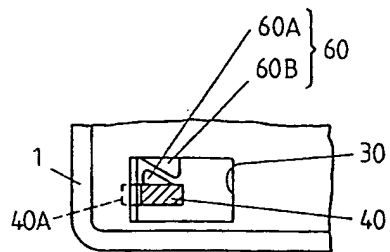


FIG. 13

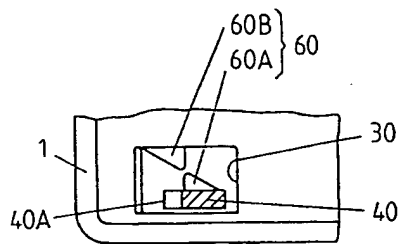


FIG. 14

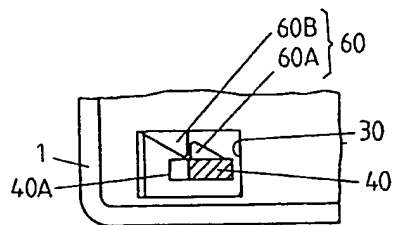


FIG. 15